

Sheets: 2

FORM PTO 1449 (Rev. 10/97)
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)
Date Submitted to PTO:

ATTY DOCKET NO.

051583:0249

SERIAL NO.

09/816,694

APPLICANTS

Ahmed, et al.

FILING DATE

March 23, 2001

GROUP

174 1764

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|--------------------|----------|-----------------|-------|----------|-------------------------------|
| DL | 5,066,421 | 11/19/91 | Giacobbe | | | |
| | 5,167,933 | 12/1/92 | Norsk | | | |
| | 5,248,566 | 9/28/93 | Kumar et al. | | | |
| | 5,458,857 | 10/17/95 | Collins et al. | | | |
| | 5,861,137 | 1/19/99 | Edlund | | | |
| | 5,929,286 | 7/27/99 | Krumpelt et al. | | | |
| | 6,025,403 | 2/15/00 | Marler et al. | | | |
| DL | 6,126,908 | 10/3/00 | Clawson et al. | | | |

FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
|--------------------|----------------|---------|-------|----------|---------------------------------------|
| WO 00/66487 | 9 Nov. 2000 | WIPO | | | |
| WO 98/08771 | 5 Mar. 1998 | WIPO | | | |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|--|---|
| DL | | S. Ahmed, et al., "Integrated Fuel Processor Development," presented at Annual National Laboratory R&D Meeting of the DOE Fuel Cells for Transportation Program, June 23-25, 1999, Argonne, IL. |
| | | S. Ahmed, et al., "Catalytic Partial Oxidation Reforming of Hydrocarbon Fuels," Fuel Cell Seminar Abstracts, November 16-19, 2000, Palm Springs, CA, pp. 242-245 (1998). |
| DL | | S. G. Chalk, et al., "Challenges for fuel cells in transport applications," J. Power Sources, 86, pp. 40-51, (2000); Elsevier Publ., New York, NY. |
| DL | | J. P. Kopasz, et al., "Effects of Gasoline Components on Fuel Processing and Implications for Fuel Cell Fuels," presented at 2000 Fuel Cell Seminar, October 30 - November 2, 2000, Portland, OR. |

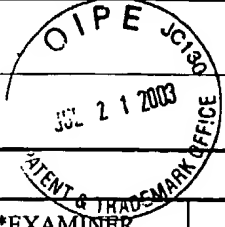
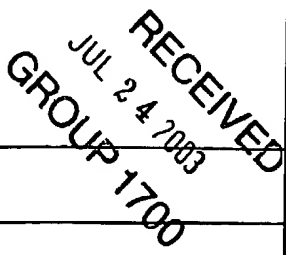
RECEIVED
AUG 03 2001
TC 1700



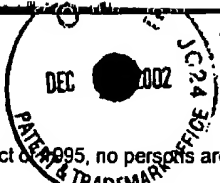
| | | |
|-------------------------------|--|---|
| RL | | R. Kumar, et al., "The Low Temperature Partial-Oxidation Reforming of Fuels for Transportation Fuel Cell Systems," 1996 Fuel Cell Seminar Abstracts, November 17-20, 1996, Orlando, FL, pp. 750-753 (1996). |
| RL | | H. D. Lee, et al., Fuel Flexible Fuel Processor for Reforming Hydrocarbon Fuels," presented at 2000 AIChE Meeting, November 12-17, 2000, Los Angeles, CA. |
| RL | | D. Myers, et al., "Reducing the Volume/Weight of the Fuel Post Processor for PEFC Power Systems," presented at 2000 Fuel Cell Seminar, October 30 - November 2, 2000, Portland, Oregon. |
| | | R. S. Wegeng, et al., "Compact fuel processors for fuel cell powered automobiles based on microchannel technology," Fuel Cells Bulletin, 2001, Vol. 3. No. ER28, pp. 8-13; Elsevier Publ., New York, NY. |
| EXAMINER <i>Banica Ridley</i> | | DATE CONSIDERED <i>4/14/04</i> |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED
AUG 07 2001
TC 1700

| | | | | | | | |
|---|---------------------|--------------------|----------|--------------------------------|-------|---|---------------------------------------|
| Sheets: 1 | | | | | | | |
| FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) Date Submitted to PTO: | | | | ATTY DOCKET NO. 051583:0249 | | SERIAL NO. 09/816,694 | |
|  | | | | APPLICANTS Ahmed et al. | |  | |
| | | | | FILING DATE March 23, 2001 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| <i>ER</i> | | 5,752,995 | 05-19-98 | Kang | | | |
| | | 6,436,363 | 08-20-02 | Hwang et al. | | | |
| | | 6,506,359 | 01-14-03 | Maruko | | | |
| <i>ML</i> | | 6,524,550 | 02-25-03 | Chintawar et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
| | | | | | | | |
| OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| EXAMINER | <i>Bruce Killey</i> | | | DATE CONSIDERED <i>4/14/04</i> | | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|--|---|--------------------------|---------------|------------------------|-------------|
| Substitute for form 1449B/PTO | | Complete if Known | | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: November 25, 2002 (use as many sheets as necessary) | | Application Number | 09/816,694 | | |
| | | Filing Date | 03/23/2001 | | |
| | | First Named Inventor | Shabbir Ahmed | | |
| | | Group Art Unit | 1764 | | |
| | | Examiner Name | Marian Knode | | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 051583-0249 |

RECEIVED
DEC 05 2002
TC 1700

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|---|---|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------------|-------------------------|---------------------|--|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Name of Patentee or Applicant of Cited Documents | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
| | | Krumpelt, M., et al., "Catalytic Autothermal Reforming for Fuel Cell Systems," published by Argonne National Laboratory. | |
| DR | Davis, | David, P.B., et al., "Challenges for Transportation Fuel Cells: Fuel Processing and Cost," (October 31, 2000) 2001 < http://www.ott.doe.gov/pdfs/2000fcpresentation.pdf > | |
| | | Choudhary, Vasant R., et al., "Simultaneous oxidative conversion and CO₂ or steam reforming of methane to syngas over CoO-NiO-MgO catalyst, J. Chem. Technol. Biotechnol. Journal of Chemical Technology and Biotechnology, Vol. 73, No. 4 (December 1998). | |
| DR | | Ahmed, S., et al., "Hydrogen from hydrocarbon fuels for fuel cells," <i>International Journal of Hydrogen Energy</i> , Vol. 26 (2001) pp. 291-301. | |
| | | | |

| | | | |
|--------------------|---------------------|-----------------|---------|
| Examiner Signature | <i>Emma Rickley</i> | Date Considered | 4/14/04 |
|--------------------|---------------------|-----------------|---------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.